

Reproductive Biology of Female *Notopterus notopterus* (Pallas, 1769) from Ayeyarwady River, Maubin Township

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Abstract

From the economic point of view *Notopterus notopterus* is one of the important food fish in Myanmar. It is a seasonal breeder and breeds in stagnant or running water in rainy season. The present study was carried out in Ayeyarwady River, Maubin Township, from November 2016 to October 2017. The maximum value of GSI was found in June was (4.71±2.89), indicating that the fish is in the spawning period and then decreased and reached to minimum in November (0.16±0.10). Length at first maturity female was 21.32cm in total length and fecundity ranged from 335 to 2787 eggs. Linear relationship of fecundity with total length (TL), ovary weight (OW) and body weight (BW) of the fish was found. In the mature stage, egg size distribution was varied and the oocytes ranged from 156.15µm to 183.42µm. The results from this study contribute the significant information on reproduction of female *N. notopterus* which is important in species restoration, captive breeding in Ayeyarwady River.

Keywords: *Notopterus notopterus*, GSI, spawning, length at first maturity, fecundity, egg size

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